LABDEX

Single Layer Orbital Floor Shaker
LX100SFS

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Description

Single Layer Orbital Floor Shaker LX100SFS is a multifunction device with microprocessor PID control system and LCD Display. It has an orbital oscillation mode, a single shaft balance drive and an 8-segment adjustable program controller. Designed with a shaking speed range of 30 to 300 rpm and a 50 mm vibration range and powder-coated steel construction with an ABS front panel. A various type of platforms available make them ideal for use with culture flasks, bottles and other vessels.

Specifications

Controller	PID (Environmental scanning microprocessor)
Shaking mode	Orbital
Shaking speed	30 to 300 rpm
Shaking accuracy	± 1 rpm
Vibration range	Φ50 mm
Shaking platform size	680 × 500 mm
Program control	8 segments (adjustable)
Working environment temperature	Constant room temperature (indoors)
Drive mode	Single shaft balance device
Convection mode	Natural convection
Display	LCD (simultaneous display of working and set parameters)
Timing range	0 to 9999 hr

Shaking platform quantity	1 pc
External material	Steel with powder coating
Safety function	Audio and visual alarm for over temperature, alarm for over speed
Power	80 W
Power supply	AC 200 V to 240 V, 50/60 Hz
Dimension (W × D × H)	680 × 618 × 240 mm
Net weight	104 kg
Packing dimension	810 x 760 x 490 mm
Gross weight	120 kg

Features

- Microprocessor PID control system with LCD Display
- 8-segment adjustable program controller for settings of different speed and time
- Equipped with monitoring timer, independent over-speed acoustic and visual alarm, short circuit, independent current leakage and overload protection
- Power-off protection for motor overheating and over-temperature
- Having automatic stop and start with a time display
- Adjustable starting speed to protect the splash shake of liquid
- Came with a power-off recovery function and parameter memory
- Single-shaft 5-dimensions technology
- Chrome alloy and iron casting key parts

Applications

- Single Layer Orbital Floor Shaker mainly used for cell culturing, staining/de-staining and general mixing in microbiology, chemistry, biochemistry, molecular biology and biomedical laboratories.

Standard Accessories

- 1 Flask shaking platform
- Flask clams (1 size is offered as standard configuration)

Optional Accessories

- Tube rack
- Microplate rack

Configuration

Flask specification	Maximum capacity
250 ml	30
500 ml	24
1000 ml	15
5000 ml	4

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